



FL-550-SF/1~100mW

SINGLE FREQUENCY MODE FIBER LASER AT 550 nm

All polarization fiber single frequency mode high power laser at 550nm is consisting of the seed laser and an amplifier optimized for low noise operation and application demanding more optical power, which has been designed for operation in laser cooling trapping, optical lattice, pump laser for OPO, Ti:Saphire, Biomedical, Fundamental light for UV laser, etc.



SPECIFICATIONS

| | Free space | | Fiber coupled | |
|-------------------------------------|----------------------|--------|---------------|-------|
| Wavelength (nm) | 550±1 | | | |
| Operating mode | CW | | | |
| Output power (mW) | 1~50 | 50~100 | 1~20 | 20~50 |
| Power stability (rms, over 4 hours) | <1%, <2% | | | |
| Transverse mode | TEM ₀₀ | | | |
| Spectral linewidth (KHz) | <40 | | | |
| M ² factor | <1.2 | | | |
| Polarization ratio(dB) | >15 | | | |
| Warm-up time (minutes) | <30 | | | |
| Operating temperature (°C) | 15~30 | | | |
| Power supply (V AC) | AC 220 | | | |
| Expected lifetime (hours) | 10000 | | | |
| Warranty | 1 year | | | |
| Options | RS 232/485 interface | | | |

